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Cover: The cells that lie along the midline of the *Drosophila* CNS act as a source for directing the proper development of CNS axons and adjacent cell types. The Midline Fasciclin protein is a membrane associated/secreted protein that has homology to Fasciclin I and is prominently expressed in the CNS midline cells. Genetic removal of the *midline fasciclin* gene results in axonal defects. Shown is a dorsal view of a stage 11 embryo stained with an anti-Midline Fasciclin antibody showing localization to the CNS midline cells. Details can be found in the paper by Hu et al, pages 77-93, this issue.

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Cover: Ratiometric images of estimated calcium levels in cultured rat hippocampal neurons. The top row shows a sequence of images during which the cells were depolarized and the associated calcium elevation is shown as a change in pseudocolor display from blue to yellow-red. In the lower row, the same cells are treated with a specific calcium channel blocker, w-CgTx GVIA, which reduced

calcium accumulation. Images were collected by Robert Doyle and Philip Haydon at the Iowa State University Laboratory of Cellular Signaling. See Bahls et al., pp. 198–208, this issue.

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Cover: The spatial organization of cone and rod photoreceptors in *Xenopus* retina was visualized using double *in situ* hybridization with probes for red cone opsin (purple stain) and rod opsin (red stain). Labeled cells are arranged with some degree of minimal spacing, although the overall mosaic pattern of photoreceptors is imprecise. A number of cells are unlabeled by either opsin probe, indicating the presence of at least one other cone subtype in this species. See Chang and Harris, pages 227–244, this issue.

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